



North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

October 16, 2008

Ms. Nancy Rickard
Lincoln County Solid Waste Director
5291 Crouse Road
Crouse, NC 28033

Re: *Site Assessment Report*
Owls Den Road Landfill, Permit #55-02, Lincoln County

Dear Ms. Rickard:

The Solid Waste Section has reviewed the *Site Assessment Report* submitted on September 5, 2008 on behalf of Lincoln County by S&ME, Inc. for the closed unlined Owl's Den Landfill located in Lincolnton. The *Site Assessment Report* was submitted pursuant to a correspondence from the Solid Waste Section dated November 8, 2007 requiring additional assessment to address the elevated methane concentrations and groundwater contamination at the landfill.

The *Site Assessment Report* included installation of three shallow groundwater monitoring wells (MW-8, 9, and 10) and five methane monitoring wells (MMW-5, 6, 7, 8, and 9). The groundwater monitoring wells were surveyed to obtain ground surface and TOC elevations. Slug tests and laboratory grain size distribution analyses were also performed. Groundwater samples were collected from the newly installed groundwater monitoring wells on July 21 and 22, 2008, and all constituents were detected below the NC 2L Groundwater Standards and Protection Standards. Methane monitoring was conducted on July 22, 2008, and no methane concentrations were detected above the LEL during the event.

In addition, S&ME, Inc. requested abandonment of the methane monitoring wells MMW-1 and MMW-3 due to their close proximity to the edge of waste and removal of groundwater monitoring well MW-3 from the compliance monitoring well network. As a result, the *Site Assessment Report* is approved as described. Please record the change in the water quality monitoring plan and continue to take water level readings at groundwater monitoring well MW-3. Thank you for your continued cooperation in this matter.

Sincerely,

Jaclynne Drummond
Hydrogeologist
Environmental Compliance
Solid Waste Section

cc: Julie Peterson, S&ME, Inc.
Mark Poindexter, Field Operations Supervisor
Deb Aja, Western District Supervisor
C.T. Gerstell, Environmental Senior Specialist
Solid Waste Central Files